

Converting Colors

XYZ(68.8318, 68.3927, 90.5910)

Have a look what the booklet for
XYZ(68.8318, 68.3927, 90.5910)
contains.

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Color

**XYZ(68.8511, 68.2912,
90.4416)**

Conversions

Conversions Part 1

Format	Color
Hex	DED3EE
RGB	222, 211, 238
RGB Percent	87%, 83%, 93%
CMY	0.1294, 0.1725, 0.0667
CMYK	0.07, 0.11, 0.00, 0.07
HSL	264°, 44%, 88%
HSV	264°, 11%, 93%
XYZ	68.8511, 68.2912, 90.4416
YIQ	217.3670, -2.1110, 10.7290

Conversions

Conversions Part 2

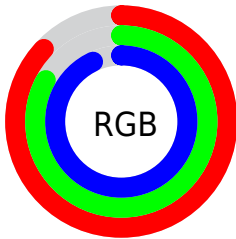
Format	Color
R _Y B	222, 211, 238
Decimal	14603246
CIE Lab	86.15, 8.74, -11.88
CIE LCh	86, 14.748, 306.342
Yxy	68.2912, 0.3025, 0.3001
Android (android.graphics.Color)	4292793326 (0xFFDED3EE)
YUV	217.3670, 10.1721, 4.0631
Hunter-Lab	82.6385, 4.1017, -7.0415

Details

The XYZ color **68.8511, 68.2912, 90.4416** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **74.0135, 82.1849, 73.5937**, and the grayscale version is **66.1402, 69.5847, 75.7777**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.2683, 35.3698, 49.1715** is the 20% darker color. If you saturate the color by 10%, you get **59.2300, 55.1957, 88.4221**, and if you desaturate by 10%, it is **79.7131, 83.3296, 92.7729**.

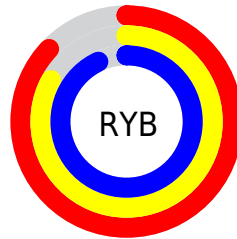
Distribution



Red (87%)

Green (83%)

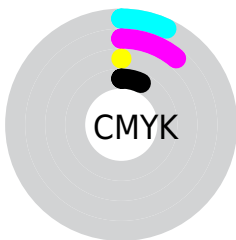
Blue (93%)



Red (87%)

Yellow (83%)

Blue (93%)

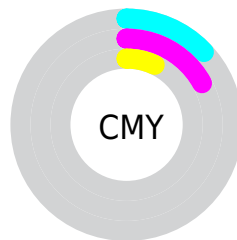


Cyan (7%)

Magenta (11%)

Yellow (0%)

Black (7%)



Cyan (13%)

Magenta (17%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.8511, 68.2912, 90.4416 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 68.8511, 68.2912, 90.4416 by changing the saturation by 10% instead.

68.8511, 68.2912,
90.4416

68.8511, 68.2912,
90.4416

445.8352,
454.5271, 550.0734

50.8667, 50.1347,
67.7712

116.6041,
116.7686, 149.8925

36.3231, 35.5204,
49.2461

147.1034,
147.8583, 187.5101

24.8551, 24.0640,
34.4477

182.5050,
184.0279, 230.9472

16.0973, 15.3811,
22.9576

223.1743,
225.6616, 280.6222

9.6843, 9.0873,
14.3572

269.4766,
273.1441, 336.9539

5.2508, 4.7982,
8.2280

321.7773,

2.4314, 2.1293,

326.8595, 400.3606

4.1513

380.4417,
387.1924, 471.2609

■ 0.8608, 0.6810,
1.7087

■ 0.0000, 0.0000,
0.3667

■ 68.8511, 68.2912,
90.4416

■ 68.8511, 68.2912,
90.4416

■ 59.2300, 55.1957,
88.4221

■ 79.7131, 83.3296,
92.7729

■ 50.7966, 43.9532,
86.6965

■ 90.6934, 98.0564,
95.0367

■ 43.5026, 34.4796,
85.2524

■ 92.4328, 98.9531,
95.1181

■ 37.2938, 26.6806,
84.0743

■ 32.1112, 20.4531,
83.1454

■ 27.8896, 15.6818,
82.4469

■ 24.5549, 12.2353,
81.9574

■ 22.0201, 9.9563,
81.6512

■ 20.3571, 8.7117,
81.4986

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.6318, 68.2912, 94.5108



68.8511, 68.2912, 90.4416



71.0681, 68.2912, 82.1080

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.8511, 68.2912, 90.4416



67.5614, 68.2912, 58.5266



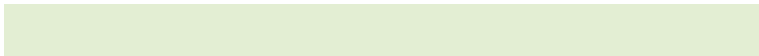
58.6397, 68.2912, 76.4399

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



68.8511, 68.2912, 90.4416



74.0135, 82.1849, 73.5937

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



59.1160, 68.2912, 67.1107



68.8511, 68.2912, 90.4416



64.1910, 68.2912, 57.2945

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.8511, 68.2912, 90.4416



70.3055, 68.2912, 63.8283



61.1198, 68.2912, 60.3032



59.7954, 68.2912, 85.9854

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.8511, 68.2912, 90.4416



71.6378, 68.2912, 75.5558



61.1198, 68.2912, 60.3032



58.6148, 68.2912, 73.1719

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



68.8531, 68.2941, 90.4431



91.0095, 94.3660, 108.0255



69.8229, 75.0720, 91.7003



19.2535, 19.8836, 23.0731



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.8531, 68.2941, 90.4431



77.3397, 75.5054, 105.1055



73.0890, 70.4778, 90.6413



15.5069, 15.5430, 19.9044



11.4950, 4.9313, 45.4739



1.0662, 0.4669, 3.7881

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



72.4217, 70.3148, 82.4315



82.4462, 78.3982, 93.5821



69.9789, 80.1050, 73.4049



16.1659, 15.9161, 18.4301



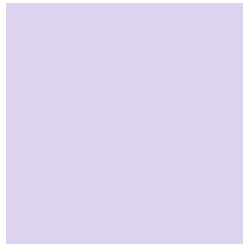
22.4217, 11.2411, 15.4029



1.9145, 0.9548, 1.5405

Previews

White Background



This preview shows how the XYZ color 68.8511, 68.2912, 90.4416 looks on a white background.

Color Contrast Check

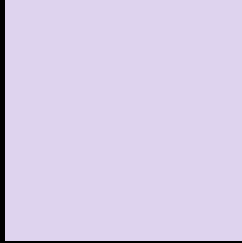
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 68.8511, 68.2912, 90.4416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

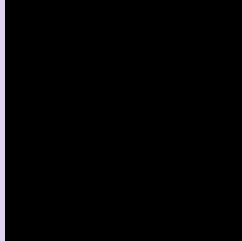
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.8511, 68.2912, 90.4416

Background



This preview shows how black text looks on a background with the XYZ color 68.8511, 68.2912, 90.4416.



This preview shows how white text looks on a background with the XYZ color 68.8511, 68.2912,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

68.8511, 68.2912, 90.4416

Protanopia

66.9261, 68.3815, 92.1096

Deuteranopia

69.8432, 68.4350, 90.4171



Tritanopia

67.5051, 68.1163, 83.7186

Trichromacy



Original Color

68.8511, 68.2912, 90.4416

Protanomaly

67.6931, 68.4194, 91.2998

Deuteranomaly

69.5305, 68.2738, 90.4024

Tritanomaly

67.9278, 68.2853, 85.9441

Monochromacy



Original Color

68.8511, 68.2912, 90.4416

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

67.1045, 69.0972, 81.0345

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8511, 68.2912, 90.4416 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(222, 211, 238)` looks like.

```
.text, #text, p{  
    color:rgb(222, 211, 238)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(222, 211, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 211, 238) }
```

Border

The CSS property to change the border of an element to XYZ 68.8511, 68.2912, 90.4416 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(222, 211, 238) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(222, 211, 238) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(222, 211, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 211, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 211, 238);  
box-shadow:4px 4px 4px 4px rgb(222, 211,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8511, 68.2912, 90.4416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 211, 238) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(222,  
211, 238) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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